ISTA 350 Presentations

Rashid Abdi

Dataframe

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(base) rashidabdi@Rashids-MBP ISTA 350 final Project % python ista350_final.py
                 Player Age   G   MP   PER    TS%   3PAr    FTr  ORB%  DRB%  TRB%  AST%  STL%  BLK%  TOV%  USG%    OWS  DWS   WS  WS/48   OBPM  DBPM   BPM  VORP Team
0          Draymond Green  34  12  334  14.1   .608   .553   .408   2.8  17.2  10.1  23.6   1.9   3.3  19.0  13.6    0.6  0.6  1.1   .165    0.0   2.8   2.8   0.4  GSW
1            Buddy Hield  32  12  300  20.3   .654   .628   .090   3.8  12.4   8.2  11.7   1.6   1.5   7.9  24.2    0.8  0.4  1.2   .192    5.4  -0.1   5.3   0.5  GSW
2       Jonathan Kuminga  22  12  285  14.8   .538   .304   .385   5.8  12.7   9.3  10.6   1.7   1.6  10.7  25.5    0.2  0.4  0.6   .093   -1.3  -1.1  -2.4   0.0  GSW
3     Brandin Podziemski  21  11  283   9.6   .459   .469   .125   4.0  15.0   9.6  17.7   1.7   1.3  12.9  16.9    0.0  0.4  0.4   .068   -3.9   0.3  -3.6  -0.1  GSW
4          Andrew Wiggins  29  10  267  16.0   .540   .393   .333   6.6   9.8   8.2  11.9   1.6   2.7   6.3  22.1    0.5  0.3  0.8   .146    1.0  -0.3   0.7   0.2  GSW
5           Stephen Curry  36   9  259  25.1   .648   .570   .246   1.2  16.7   9.1  34.5   3.3   1.8  16.9  30.1    0.7  0.5  1.2   .226    6.9   2.3   9.2   0.7  GSW
6   Trayce Jackson-Davis  24  12  200  20.8   .678   .000   .323   8.3  21.2  14.8  19.2   1.0   2.7  11.3  16.4    0.6  0.3  1.0   .228    2.3   1.9   4.1   0.3  GSW
7           Moses Moody  22  12  194  15.2   .637   .593   .259   3.2   9.9   6.6   8.7   1.0   1.4  11.7  21.7    0.3  0.2  0.5   .127    1.4  -1.2   0.2   0.1  GSW
8          Kyle Anderson  31  11  186  16.0   .469   .435   .226   5.6  16.8  11.3  20.5   2.8   4.4   5.5  16.0    0.3  0.4  0.6   .167    0.9   2.9   3.8   0.3  GSW
9           Kevon Looney  28  11  173  21.6   .515   .000   .442  28.1  26.2  27.2  14.3   2.7   2.1  11.4  16.7    0.5  0.4  0.9   .252    0.6   0.1   0.7   0.1  GSW
10        Gary Payton II  32  12  142  16.5   .721   .222   .222   7.3   7.8   7.6  12.4   2.7   2.6  16.8  13.8    0.3  0.2  0.5   .175   -0.4   2.4   2.0   0.1  GSW
11      Lindy Waters III  27  10  134  14.7   .648   .675   .050   3.1   9.8   6.5  13.7   1.1   1.4   2.4  12.9    0.4  0.1  0.5   .185    0.8   0.4   1.2   0.1  GSW
12     De'Anthony Melton  26   6  121  13.5   .539   .648   .148   5.1  11.7   8.4  19.2   2.8   1.5  14.8  23.0    0.1  0.2  0.3   .102   -1.2   0.5  -0.8   0.0  GSW
13            Gui Santos  22   5   20   8.5   .773   .667   .667   5.2  20.2  12.8  12.3   0.0   0.0  34.0  12.1    0.0  0.0  0.0   .079   -4.9  -0.6  -5.4   0.0  GSW
14          Pat Spencer  28   3    5  26.6   .667   .000   .000   0.0   0.0   0.0  39.0   0.0   0.0   0.0  24.7    0.0  0.0  0.0   .253    5.0  -1.8   3.1   0.0  GSW
15         Reece Beekman  23   2    4  42.4  1.000   .000   .000  25.9   0.0  12.8  37.8  11.9   0.0   0.0  10.3    0.0  0.0  0.1   .604   10.6  15.8  26.4   0.0  GSW
16         Devin Booker  28  13  472  19.5   .566   .423   .369   3.7   7.2   5.5  30.5   1.6   1.1   9.2  26.6    1.1  0.3  1.4   .145    3.0  -1.0   1.9   0.5  PHO
17           Tyus Jones  28  13  418  13.4   .561   .586   .086   2.3   6.9   4.6  28.7   1.3   0.4  10.4  14.2    0.7  0.2  0.9   .108    0.1  -0.8  -0.7   0.1  PHO
18         Kevin Durant  36   9  349  21.3   .670   .348   .342   0.6  17.5   9.1  16.4   1.0   3.3  13.9  27.3    0.6  0.3  1.0   .132    3.3   0.1   3.4   0.5  PHO
19         Royce O'Neale  31  13  327  15.3   .564   .594   .142   7.0  19.9  13.5  14.8   1.5   3.3   8.9  16.7    0.5  0.4  0.9   .125    1.0   0.9   1.9   0.3  PHO
20         Bradley Beal  31   9  313  16.8   .600   .492   .213   2.1  10.2   6.2  17.2   2.0   2.3   8.3  20.5    0.5  0.3  0.8   .124    0.6   0.5   1.1   0.2  PHO
21         Jusuf Nurkić  30  12  295   9.7   .497   .407   .547   8.5  35.5  22.1   6.4   1.8   2.1  24.2  21.1   -0.6  0.5 -0.1  -0.016   -6.2  -0.3  -6.5  -0.3  PHO
22           Ryan Dunn  22  12  221  10.7   .544   .675   .050   2.5  12.6   7.6   5.7   1.3   2.8   4.7  17.2    0.1  0.2  0.2   .054   -2.3  -0.4  -2.7   0.0  PHO
23        Mason Plumlee  34  12  208  14.4   .614   .000   .730   8.4  27.2  17.9  11.9   0.9   2.6  12.5  11.9    0.4  0.3  0.6   .141   -2.4   0.5  -1.9   0.0  PHO
24        Grayson Allen  29   9  187  10.6   .518   .778   .194   2.9   8.0   5.5   7.3   1.8   1.9   9.3  20.4   -0.1  0.1  0.1   .022   -2.0  -1.3  -3.3  -0.1  PHO
25          Oso Ighodaro  22   8  104  10.8   .655   .000   .438   8.4  23.6  16.1   4.1   0.9   3.4  20.8  10.2    0.1  0.1  0.2   .107   -4.9   0.6  -4.3  -0.1  PHO
26         Monte Morris  29   9  103  15.3   .535   .500   .353   2.1   9.3   5.8  18.8   1.9   2.6   4.8  17.7    0.2  0.1  0.3   .117    0.7   1.1   1.9   0.1  PHO
27          Josh Okogie  26   5   91  20.8   .617   .350   .350  12.0  16.4  14.2   3.9   3.2   0.0  11.5  25.3    0.1  0.1  0.2   .124    3.0   0.4   3.3   0.1  PHO
28           Damion Lee  32   3   34   9.4   .511   .556   .444   0.0  15.7   7.9  16.6   1.4   0.0  15.7  16.6    0.0  0.0  0.0   .030   -3.2   1.0  -2.3   0.0  PHO
29   TyTy Washington Jr.  23   2   23  14.0   .667   .500   .000   0.0   4.6   2.3  13.1   2.1   0.0   0.0  11.5    0.1  0.0  0.1   .134   -0.2   0.8   0.6   0.0  PHO
30        Jalen Bridges  23   2   11 -13.0   .174  1.000  1.000   0.0   9.7   4.9   0.0   0.0   0.0  41.0  19.6   -0.1  0.0 -0.1  -0.426  -17.0  -6.8 -23.8  -0.1  PHO
31              Bol Bol  25   2   11  25.8   .644   .500   .667   9.9  19.4  14.7  17.4   0.0   0.0  11.4  35.2    0.0  0.0  0.0   .183    8.2   0.2   8.3   0.0  PHO
32     Collin Gillespie  25   1    3  27.1   .750   .500   .000   0.0   0.0   0.0   0.0   0.0   0.0   0.0  29.5    0.0  0.0  0.0   .148   11.2   0.0  11.2   0.0  PHO
33         LeBron James  40  13  460  22.8   .618   .333   .306   2.5  24.9  13.9  41.7   0.9   1.2  16.1  27.4    1.2  0.3  1.5   .157    5.7   0.1   5.8   0.9  LAL
34        Austin Reaves  26  13  452  16.1   .592   .576   .266   2.8  10.2   6.6  22.8   1.7   0.8  11.6  21.3    0.8  0.2  1.0   .106    1.6  -1.0   0.6   0.3  LAL
35        Anthony Davis  31  12  421  30.9   .650   .122   .561   8.0  28.0  18.2  13.1   1.7   5.1   8.6  32.1    1.7  0.5  2.2   .253    7.2   0.5   7.8   1.0  LAL
36     D'Angelo Russell  28  13  364  12.2   .530   .529   .167   1.3   7.1   4.2  24.3   1.7   0.2  12.4  20.0    0.2  0.1  0.4   .046   -1.3  -1.7  -3.0  -0.1  LAL
37        Rui Hachimura  26  10  339  12.0   .542   .336   .215   7.6  12.9  10.3   6.0   1.0   1.3   5.6  15.8    0.4  0.1  0.5   .072   -0.6  -2.1  -2.6  -0.1  LAL
38       Dalton Knecht  23  13  263  13.7   .627   .613   .086   3.1   9.8   6.5   8.7   1.1   0.0   5.9  16.8    0.5  0.1  0.5   .095    1.1  -1.9  -0.8   0.1  LAL
39        Gabe Vincent  28  13  235   1.0   .341   .630   .074   2.0   4.3   3.2   3.7   1.9   0.0  11.2  11.5   -0.5  0.1 -0.4  -0.084   -8.2  -1.9 -10.0  -0.5  LAL
40        Max Christie  21  12  191   9.1   .489   .500   .304   4.9   9.4   7.2   8.0   2.3   1.9  10.3  13.1    0.0  0.1  0.2   .041   -3.3   0.2  -3.1  -0.1  LAL
41        Jaxson Hayes  24  10  175  17.0   .744   .000   .559  12.6  17.3  15.0   7.0   0.8   4.6  12.4  11.9    0.5  0.1  0.7   .184   -0.7  -0.2  -1.0   0.0  LAL
42         Cam Reddish  25   7  147  10.0   .702   .450   .400   3.2  13.0   8.2   4.3   2.3   1.2  11.3   7.8    0.2  0.1  0.3   .088   -1.9   0.3  -1.6   0.0  LAL
43     Christian Koloko  24   5   48  14.2   .700   .100   .000  12.1  11.7  11.9   5.8   2.0   3.7  16.7  10.8    0.1  0.0  0.1   .121   -1.4  -0.1  -1.5   0.0  LAL
44         Bronny James  20   6   16   5.2   .291   .667   .333   7.3   0.0   3.6  15.5   3.0   0.0   0.0  18.5    0.0  0.0  0.0 -0.055   -6.9  -1.6  -8.4   0.0  LAL
45         Armel Traoré  22   1    4 -10.0   .000  1.000   .000   0.0  28.1  14.3   0.0   0.0   0.0   0.0  10.8    0.0  0.0  0.0 -0.234  -18.1  -4.1 -22.2   0.0  LAL
46         Maxwell Lewis  22   2    3  -5.1                        0.0   0.0   0.0   0.0   0.0   0.0           0.0    0.0  0.0  0.0 -0.016  -11.9  -2.6 -14.5   0.0  LAL
47   Jalen Hood-Schifino  21   1    1   0.0                        0.0   0.0   0.0   0.0   0.0   0.0           0.0    0.0  0.0  0.0 -0.020   -5.4  -3.1  -8.5   0.0  LAL
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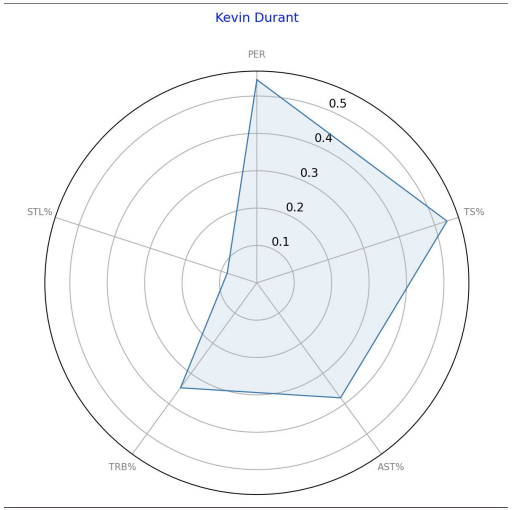
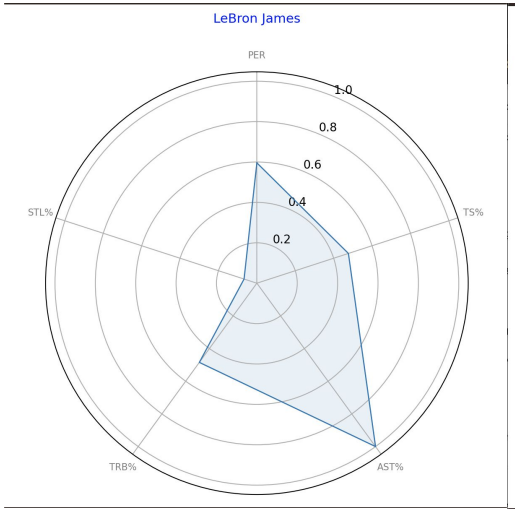
Image 1: Radar charts





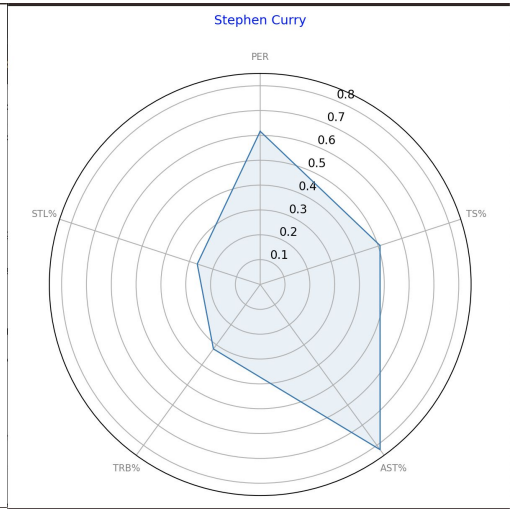
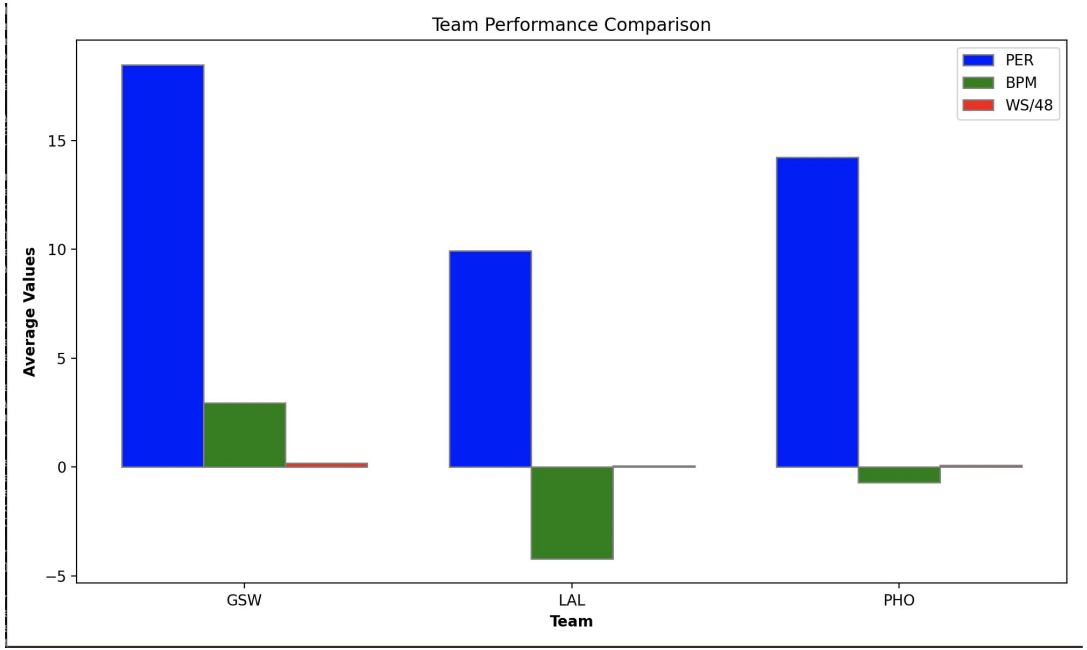
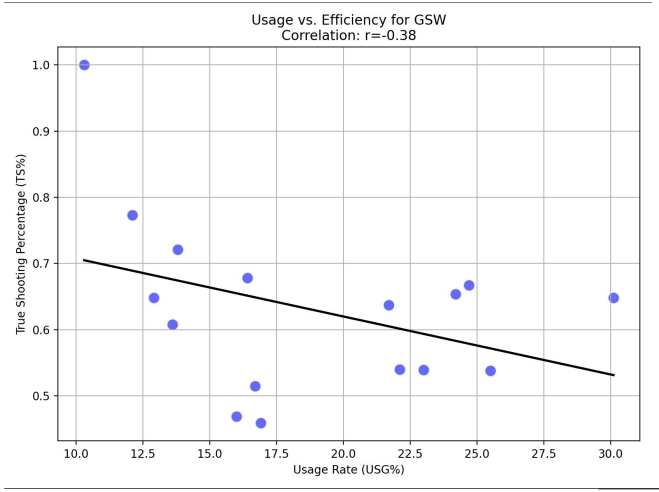
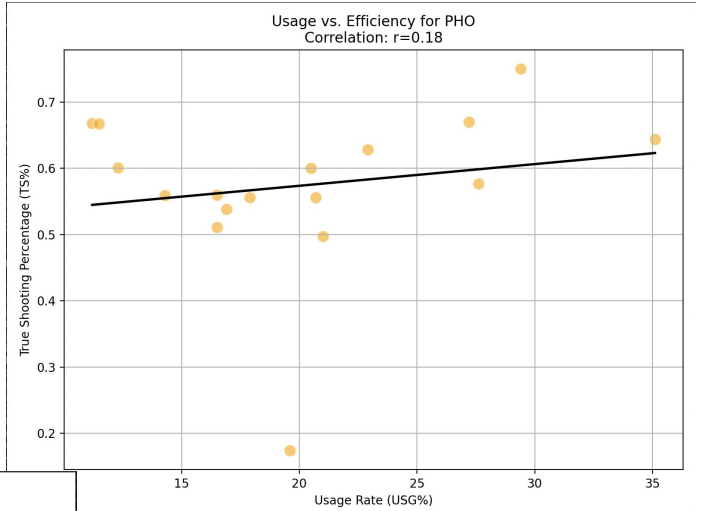
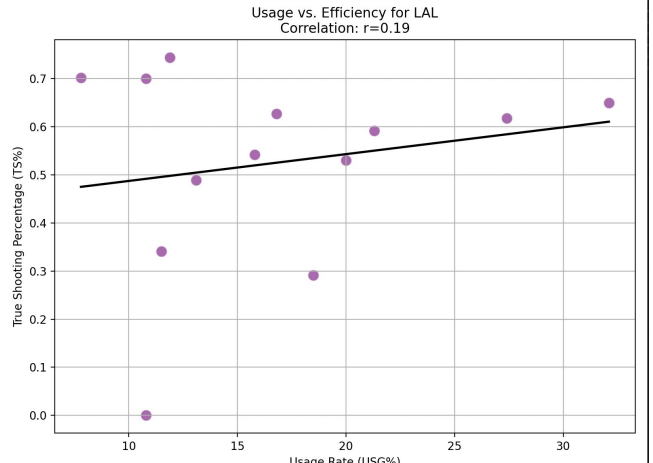


Image #2: Bar Graph



Scatter Plot